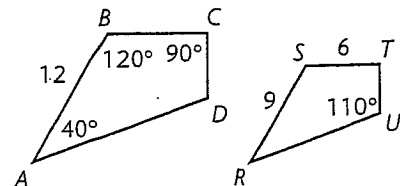


For Exercises 1–3, use similar figures $ABCD$ and $RSTU$.

2. Complete each statement.

a. $m\angle B = m\angle \underline{\hspace{1cm}}?$

b. $\frac{AB}{RS} = \frac{BC}{\underline{\hspace{1cm}}?}$



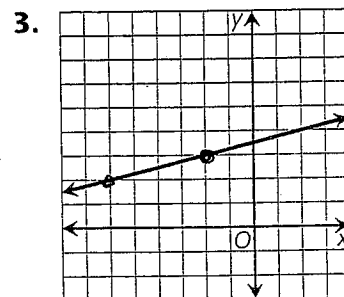
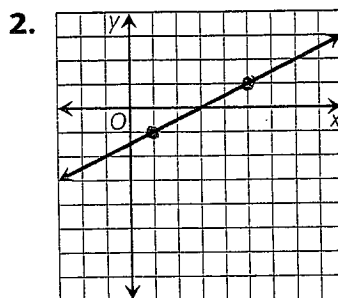
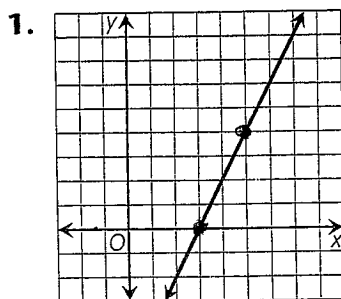
3. Find each measure.

a. $m\angle R$

b. $m\angle D$

c. BC

Find the slope of each line.



Use mental math to find each value.

1. $\sqrt{64}$

2. $-\sqrt{81}$

3. $\sqrt{2500}$

4. $\sqrt{0.01}$

5. $\sqrt{\frac{36}{49}}$

6. $-\sqrt{16,000,000}$

Evaluate each expression. Round decimal answers to the nearest hundredth.

1. $\frac{4 \cdot 2}{3 + 7 - 3(2)}$

2. $2 + 3\sqrt{2 \cdot 8}$

3. $\frac{\sqrt{12 + 6}}{5}$

4. $(4 + 6)\sqrt{4(13)}$

5. $24 - 3(2)$

6. $\sqrt{\frac{8}{19 - 3}}$

Graph each equation.

9. $y = 2x + 4$

10. $y = -2x - 3$